



# ERMES T

## Three Phase Transformer Isolated Inverter

THE ERMES T Series UPS technology and true on-line double conversion power protection are ideal for installations requiring high energy efficiency and maximum power available. ERMES T series provides exceptional operating efficiency (over more conventional thyristor rectifier-based systems), a compact footprint and easy maintenance access.



Data center



Medical  
equipment



Industry



IT loads



Telecom



Critical buildings



[www.itapower.it](http://www.itapower.it)

Made in Italy

## ERMES Three Phase Series (10KVA~200KVA)



- High efficiency of 98.5%
- Reduced weight for transformer-based UPS;
- Distributed parallel configuration of up to 8 units per redundant (N+1) or power parallel system
- Double load protection, both electronic and galvanic, towards the battery
- Efficiency Control System to optimize the operating efficiency of parallel systems
- Complete Galvanic separation
- 10-40KVA with 3/1 or 3/3 configuration

# Technical Specifications

MODEL	ERT3310	ERT3315	ERT3320	ERT3330	ERT3340	ERT3360	ERT3380	ERT33100	ERT33120	ERT33160	ERT33200	
<b>INPUT</b>												
Nominal Voltage	380-400-415 Vac three-phase + N											
Frequency	45-65 Hz											
Power Factor	$\geq 0.99$											
Harmonic Current Distortion	THDI $\leq 2\%$											
Soft Start	0-100% in 120" (selectable)											
Frequency Tolerance	$\pm 2\%$ (Selectable from $\pm 1\%$ to 5% from pannel control)											
Standard equipment	Backfeed protection; separable bypass line											
<b>OUTPUT</b>												
Nominal Power KVA	10	15	20	30	40	60	80	100	120	160	200	
Active Power KW	9	13.5	18	27	36	54	72	90	108	144	180	
Number of phases	3+N											
Rated Voltage	380-400-415 Vac three-phase + N (Selectable)						380-400-415 Vac three-phase + N					
Static Stability	$\pm 1\%$											
Dynamic Stability	$\pm 5\%$ in 10 ms											
Nominal Frequency	50/60Hz (Selectable)											
Voltage Distortion	< 1% (Linear Load); < 3% (Non-linear load)											
Overload	110% for 60', 125% for 10', 150% dor 1'											
<b>BYPASS</b>												
Nominal Voltage	380-400-415 Vac three-phase + N											
Nominal Frequency	50/60Hz (Selectable)											
<b>BATTERY</b>												
Battery Type	VLRA AGM/GEL/NiCd/Li-ion/super caps/Flywheels											
Recharge Voltage compensation	< 90% non-condensing											
<b>INFO FOR ISOLATION</b>												
Dimension, D X W X H	555x740x1400				800x740x1400			800x800x1900				
Net Weight(kgs)	228	241	256	315	335	460	520	620	640	700	800	
Remot signal	Dry contacts (configurable)											
Remot control	EDS and bypass (configurable)											
Comunication	Double RS232+Dry contacts+2slot for comuncations interface											
Operation temperature	0°C/+40°C											
Humidity	5-95% non-condensing											
Noise Level@1 Meter	60				62			65	63-68			
IP rating	20											
Smart active efficiency	up to 98%											
EMC/safety	Safety IEC EN 62040-1; EMC IEC EN 62040-2 C2; (Voltage Frequency Independent) VFI - SS - 111											

Product specifications are subject to change without further notice

ITAPOWER s.r.l  
 Viale Abruzzi, 13/A 20131 Milan (Italy)  
 Tel. + 39 02 954205361  
 info@itapower.com www.itapower.com

